

DANIEL GRAEBER

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RESEARCH INTERESTS

Migration economics, health economics, education economics, intergenerational mobility, and applied microeconometrics

EDUCATION

German Institute for Economic Research & University Potsdam *since October, 2016*
PhD student, principal advisors: Prof. Dr. Marco Caliendo & Prof. Dr. Daniel D. Schnitzlein.

Reserach stay at Univeristy of California, San Diego *September, 2019 - November, 2019*
Invited by Prof. Prashant Bharadwaj, PhD.

Graduate Center of DIW Berlin *October, 2015 - September, 2016*
PhD Coursework (GPA: 1.7, good)

Christian-Albrechts-University Kiel *June, 2015*
M.Sc. Quantitative Economics (GPA: 1.4, excellent)

University of Hamburg *April, 2012*
B.A. Socioeconomics (GPA: 1.6, good)

Linnaeus University, Sweden *Fall 2011*
Guest student

RESEARCH

Work in Progress

Hate is too great a burden to bear - The effect of hate crime on refugees' mental health. (joint with Felicitas Schikora, draft available upon request)

Against the background of increasing violence against immigrants and refugees, we estimate the effect of hate crime on refugees' mental health in Germany. For this purpose, we combine two innovative data-sets: administrative records on xenophobic crime against refugee shelters by the Federal Criminal Office and the IAB-BAMF-SOEP Survey of Refugees. Considering that refugees may not influence the timing of an attack nor the interview date, we use a regression discontinuity design to identify a local causal effect. Our results show that hate crime has a substantial negative effect on several mental health indicators, including the Mental Component Summary score and the Patient Health Questionnaire-4. Further, we find suggestive evidence that country-specific human capital is an important mediator in our analysis, which emphasizes that our results have important policy implications.

Refugees and mental health of the native population. (joint with Prashant Bharadwaj, Stephanie Khoury and Christian Schmid)

We estimate the effect of a sudden increase in the inflow of refugees on the native population's mental health in Germany and Swiss. To identify the effect of the sudden influx of refugees to Germany and Swiss, we exploit the quasi-random allocation of the number of refugees to counties in Germany and Swiss. For Germany, we make use of the Socio-Economic Panel. For Swiss, we use individual level data of a large health insurance. Our preliminary results indicate that the sudden increase in the number

of refugees increases the individuals' worries about immigration to Germany but does not change the native population's mental health in Germany or Swiss.

Intergenerational health mobility in Germany. (sole authored, submitted)

We estimate the intergenerational positional mobility in health in Germany using 25 waves of rich data of the Socio-Economic Panel and a wide range of subjective and objective health measures. We combine these health measurements with methods from Item Response Theory, which allows us to respect the differential mapping of the latent health status to the different health items, into a single health index. We carefully account for potential sources of measurement error. Based on that health index, we describe the joint distribution of parental and children's long-run health capital. We estimate that a ten percentile increase in the long-run health capital of the children is associated with an increase of 2.32 percentile points in the long-run health capital distribution of their children. Our heterogeneity analysis shows that the education, permanent income, occupational prestige and migration background of the parents are positively associated with health mobility. The fact that children of parents with migration background experience higher health mobility has not been shown in the economic literature so far. Further, since our health metric does not exhibit a natural scale, we anchor our health metric in permanent income to investigate the consequences of intergenerational health mobility. We find that an one percentile increase in the long-run health capital is associated with an increase in permanent income by about 1.5% and 3.1% for the children's and parental generation, respectively.

Health of nations: a comparison of intergenerational health mobility in Denmark, Germany and the United States. (joint with Carsten Andersen, manuscript available upon request)

This paper is the first to analyze the broad importance of family background for health in a cross-country setting. We use sibling correlations in self-reported health status and a set of anthropometric measures to compare equality of opportunity in Denmark, Germany and the US. These countries differ in terms of income inequality, economic mobility and health care provision. Thus, differences in health mobility may provide indirect evidence on the importance of these institutions in these countries. Our main findings are that sibling correlations do not differ substantially between countries. When the sibling correlations differ, the implied country ranking is opposite relative to what other studies in social mobility suggest. However, we show that this is driven by higher individual variability in the health outcomes in the US relative to Germany and Denmark, as well as moderately higher variability in the health outcomes between families. In the US, family background is less important in a relative sense, but more important in an absolute sense. We develop a framework of Family Frontier Differentials to quantify the importance of these differences in the case of BMI and obesity. Furthermore, we find that sibling correlations in the US are substantially attenuated by including indicators of parental socioeconomic status, while the Danish and German counterparts are unaffected. Hence, these countries may have attained the lowest possible sibling correlations in the sense that genes explain the remaining resemblance. This result is also observational equivalent with the hypothesis that other omitted variables are driving the health association between siblings. A central methodological implication from our study is that relative measures of mobility may hide many substantial cross-country differences unless subjected to a deeper analysis.

Maternal education and the offspring's mental health. (joint with Daniel D. Schnitzlein), SOEPpapers on Multidisciplinary Panel Data Research 1028

We estimate the causal effect of maternal education on the mental health of mother's children in late adolescence and adulthood. Theoretical considerations are ambiguous about a causal effect of maternal education on children's mental health. To identify the causal effect of maternal education, we exploit exogenous variation in maternal years of schooling, caused by a compulsory schooling law reform in

West Germany. Based on data from the German Socio-Economic Panel, we find no evidence of a causal protective effect of maternal education on children's mental health. Instead, our empirical results suggest a moderate negative effect of maternal education on the daughters' mental health. We find no effects for the sons. Our investigation of potential mechanisms is consistent with the hypothesis that the negative effect of higher maternal labor supply outweighs the positive effect of an expansion in household resources.

Non-Refereed Publications

Graeber, D. (2017). *Does more education protect against mental health problems?* DIW Roundup, No. 113.

Antonio, A., Cumurovic, A., Gotter, C., Graeber, D., Joly, P., Ott, V., Schanze, J.L., Thater, S., Weltin, M. and Yenikent, S. (2019). *Doctoral researchers in the Leibniz Association: final report of the 2017 Leibniz PhD Survey.*

Media Coverage: Leibniz Association, Forschung und Lehre, Der Tagesspiegel, Deutschlandfunk.

Graeber, D., Huebener, M., Marcus, J., and Schnitzlein, D.D. (2019). *Gebildetere Eltern, gesuendere Kinder?* DIW Wochenbericht 12/2019, pp 195-195.

Graeber, D. and Schnitzlein, D.D. (2019). *Kaum Effekte einer hoeheren Pflichtschulzeit bei Muettern auf die psychische Gesundheit ihrer erwachsenen Kinder.*, DIW Wochenbericht 12/2019, pp 206-210.

RESEARCH EXPERIENCE

Socio-Economic Panel, DIW Berlin

since October, 2016

Research associate

- Research associate in project "NimoErt" (until January 2019)
- Research on the effect of education on mental health
- Communication of scientific results

Christian-Albrechts-University Kiel

January, 2013 - April, 2015

Student assistant

Prof. James Konow, PhD

- Support in analysis of experimental data for PhD students
- Preparation of lecture material

DIW Econ GmbH

April, 2014 - July, 2014

Intern in BNetzA-project "Analysis of investment behavior of gas and electricity distributors"

- Support of data preparation and analysis
- Preparation of results for scientific and non-scientific audiences

TEACHING EXPERIENCE

University of Turku

June 2019

- SOEP Campus

Leibniz University Hannover

2018 and 2019

- Intergenerational Mobility, spring 2018, 2019

Christian-Albrechts-University Kiel

October, 2013 - June, 2015

- Introduction to Probability and Statistics, fall 2014
- Mathematical Methods for Economists I, fall 2013, 2014
- Mathematical Methods for Economists II, spring 2014, fall 2014
- Principles of Economics, fall 2013, 2014

University of Hamburg

October, 2010 - August, 2011

- Intermediate Microeconomics, fall 2010, spring 2011

SCHOLARSHIPS AND GRANTS

German Academic Exchange Service (DAAD): Short term scholarship for research stay at the University of California, San Diego, CA. *September, 2019 - November, 2019*

German Academic Exchange Service (DAAD): Travel grant for the ASSA Meeting, Atlanta, GA *January, 2019*

Full funding for HCEO-briq Summer School on Socioeconomic Inequality, Bonn *July, 2018*

PhD scholarship, DIW Berlin *October, 2015 - December, 2016*

Erasmus scholarship, European Commission *August, 2011 - January, 2012*

PRESENTATIONS

Invited PhD Seminar: Labor Economics, Chair of Microeconometrics, University of Hamburg (2017). Seminar on Statistics and Econometrics, Institute for Statistics & Econometrics, CAU Kiel (2019).

2019 ASSA Meeting, Atlanta, GA; Essen Health Conference 2019, Essen; DIAL Midterm Conference 2019, Turku; Annual Conference of the European Society for Population Economics, Bath; GC Summer Workshop, Potsdam; Graduate Student Research Seminar, University of California, San Diego; Applied Micro Seminar, University of California, San Diego.

2018 RES Annual Conference, Brighton; DIW Graduate Center Summer Workshop, Potsdam; HCEO-briq Summer School on Social Inequality, Bonn; VFS Annual Conference, Freiburg i. Breisgau. BeNA Winterworkshop, Berlin.

2017 BeNA Summer Workshop, Berlin; DIW Graduate Center Summer Workshop, Potsdam; Seminar of the Cluster “Public Finances and Living Conditions” at the DIW Berlin, Berlin; 5th PhD Workshop in Empirical Economics, Potsdam; Summer School “Econometrics of Panel Data and Network Analysis”, Berlin; CINCH Academy, Essen; Potsdam Research Seminar in Economics, Potsdam.

ACADEMIC ACTIVITIES

DIW Berlin

- Spokesperson of the PhD students at the DIW Berlin *January, 2017 - March, 2019*
- Member of the selection committee for incoming PhD students *April, 2017*

Berlin Network of Labor Market Research (BeNA)

- Organization of BeNA Winterworkshop *November, 2017*
- Organization of “BeNA Guru Talk” (guests: Daniel S. Hamermesh & Francine D. Blau) *June, 2018*

Leibniz PhD Network

September, 2017 - June, 2019

- Member and co-head of the working group “Survey”.

OTHER PROFESSIONAL EXPERIENCE

REE! Management Gesellschaft mbH

Intern

May, 2012 - September, 2012

Business consulting

- Consultancy in strategic management

COMPUTER SKILLS

Statistical Packages or Languages: Stata, R, Julia, Matlab, Python

Applications: L^AT_EX, EasyMap-Geographic Information System (GIS), common Windows spreadsheet and presentation software

LANGUAGES

English: fluent, German: native speaker, French: basic knowledge

February 28, 2020